

Resolution 14-1R1

USE OF THE INTER-SATELLITE SERVICE (ISS) 23 GHZ BAND

The SFCG,

CONSIDERING

- (a) that the SFCG agreed to support members proposed use of the 22.55-23.55 GHz and 25.25-27.5 GHz bands for Data Relay Satellite (DRS) forward and return link operations, respectively, by data relay satellites;
- (b) that ITU-R SA.1019 recommends the use of the 22.55 - 23.55 GHz and 25.25 - 27.5 GHz band for forward and return links of data relay satellites;
- (c) that the 23.12 - 23.55 GHz band segment has been identified by Space Network Interoperability Panel (SNIP) for inter-satellite service (ISS) links from geostationary DRS satellites to low orbiting user satellites giving due consideration to the radioastronomy allocations at 22.81-22.86 GHz and 23.07-23.12 GHz;
- (d) that, although limited studies of the ISS links of one Mobile Satellite Service (LEO) (MSS (LEO)) system as currently designed indicate that this system may be compatible with certain planned DRS operations in the 23.12-23.55 GHz band, other MSS(LEO) systems may represent significant interference problems for the planned DRS's;
- (e) that the 24.45 - 24.75 GHz, 32 - 33 GHz and 59 - 64 GHz bands are also allocated for ISS;

RESOLVES

that SFCG members urge their administrations to avoid using the band 22.55 - 23.55 GHz for ISS links other than for DRS systems, and only when necessary, to use the 22.55 - 22.81 GHz portion of this band for ISS links for non-DRS systems, thus ensuring compatibility between DRS systems, non-DRS systems and radioastronomy operations.